

SEQUENCE LISTING

<110> Meiji Milk Products Co., LTD

<120> High level secretory expression system of intact MK family protein

<130> M1-104PCT

<140>

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<150> JP 1998-236621

<151> 1998-08-10

<150> JP 1998-84583

<151> 1999-03-26

<160> 9

<170> Patent In Ver.2.0

<210> 1

<211> 562

<212> DNA

<213> Human

<400> 1

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gcctggggc cctgcacccc cagcagcaag gattgcggcg tgggttccg cgagggcacc 180

tgccggcccg agaccagcg catccgtgc agggtccct gcaactggaa gaaggagttt 240
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 aaagtccgcc aaggcaccct gaagaaggcg cgctacaatg ctcagtgccg ggagaccatc 360
 cgcgtcacca agccctgcac ccccaagacc aaagcaaagg ccaaaggccaa gaaaggaaag 420
 ggaaaggact agacgccaag cctggatgcc aaggagcccc tgggtcaca tgggcctgg 480
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<212> PRT

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									25					30	
20															
Pro	Gly	Ser	Glu	Cys	Ala	Glu	Trp	Ala	Trp	Gly	Pro	Cys	Thr	Pro	Ser
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35															40
Ser	Lys	Asp	Cys	Gly	Val	Gly	Phe	Arg	Glu	Gly	Thr	Cys	Gly	Ala	Gln
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50															55
Thr	Gln	Arg	Ile	Arg	Cys	Arg	Val	Pro	Cys	Asn	Trp	Lys	Glu	Phe	
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65															75
Gly	Ala	Asp	Cys	Lys	Tyr	Lys	Phe	Glu	Asn	Trp	Gly	Ala	Cys	Asp	Gly
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85															90
Gly	Thr	Gly	Thr	Lys	Val	Arg	Gln	Gly	Thr	Leu	Lys	Ala	Arg	Tyr	
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100															105
Asn	Ala	Gln	Cys	Gln	Glu	Thr	Ile	Arg	Val	Thr	Lys	Pro	Cys	Thr	Pro
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115															125
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<211> 60

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aaagtgaaga agtctgactg tggagaatgg cagttggatgt tggatgtgcc caccaggatgg 180

gactgtgggc tggcacacg ggagggcact cggactggag ctgagtgcaa gcaaaccatg 240

aagacccaga gatgttaagat cccctgcaac tggaagaagc aatttggcgc ggagtcaaa 300
 taccagtcc aggccctgggg agaatgtgac ctgaacacag ccctgaagac cagaactgga 360
 agtctgaagc gagccctgca caatgccgaa tgccagaaga ctgtcaccat ctccaagccc 420
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<210> 7

<211> 168

<212> PRT

<213> Human

<400> 7

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 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
 35 40 45
 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
 50 55 60
 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
 65 70 75 80
 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
 85 90 95
 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
 100 105 110
 Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
 115 120 125
 Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
 130 135 140
 Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly
 145 150 155 160
 Lys Lys Gln Glu Lys Met Leu Asp
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<212> DNA

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